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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/687,552
Filing Date	October 15, 2003
First Named Inventor	Ivan MOLLOV
Art Unit	To Be Assigned
Examiner Name	To Be Assigned
Attorney Docket Number	VM7034922001

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
		Country Code ² - Number ³ - Kind Code ⁴ (if known)				

**Examiner
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Date Considered

2-16-05

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Sheet 1 of 4

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Application Number 10/687,552
 Filing Date October 15, 2003
 First Named Inventor Ivan MOLLOV
 Art Unit 2878
 Examiner Name Faye S. Polyzos
 Attorney Docket Number VM7034922001

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number – Kind Code ² (if known)	Publication Date MM-DD-YY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
FP	1	US-4,191,856	03-04-80	Nagano et al.	
FP	2	US-4,216,435	08-05-80	Ahmed	
FP	3	US-4,220,873	09-02-80	Giordano	
FP	4	US-4,366,522	12-28-82	Baker	
FP	5	US-4,572,967	02-25-86	Metz	
FP	6	US-4,596,958	06-24-86	Graeme et al.	
FP	7	US-4,672,454	06-09-87	Canella et al.	
FP	8	US-4,727,506	02-23-88	Fling	
FP	9	US-4,740,722	04-26-88	Furuhata	
FP	10	US-4,746,814	05-24-88	Shigekane	
FP	11	US-4,804,863	02-14-89	Welland et al.	
FP	12	US-5,130,798	07-14-92	Christopher	
FP	13	US-5,130,567	07-14-92	Rutten et al.	
FP	14	US-5,148,121	09-15-92	Uchida	
FP	15	US-5,159,341	10-27-92	McCartney et al.	

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FP	16	EP 0 776 124 A2 & A3	05-28-97	Planmed Oy		
FP	17	EP 0 159 654 B1	01-30-91	Kabushiki Kaisha Toshiba		

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Sheet 2 of 4

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Application Number	10/687,552
Filing Date	October 15, 2003
First Named Inventor	Ivan MOLLOV
Art Unit	2878
Examiner Name	Faye S. Polyzos
Attorney Docket Number	VM7034922001

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FP	18	US-5,170,115	12-08-92	Kashiwabara et al.	
FP	19	US-5,184,018	02-02-93	Conrads et al.	
FP	20	US-5,262,649	11-16-93	Antonuk et al.	
FP	21	US-5,304,853	04-19-94	Choi	
FP	22	US-5,331,222	07-19-94	Lin et al.	
FP	23	US-5,352,987	10-04-94	Harvey	
FP	24	US-5,355,035	10-11-94	Vora et al.	
FP	25	US-5,363,055	11-08-94	Ribner	
FP	26	US-5,400,083	03-21-95	Mizusawa	
FP	27	US-5,430,400	07-04-95	Herlein et al.	
FP	28	US-5,442,407	08-15-95	Iu	
FP	29	US-5,465,284	11-07-95	Karellas	
FP	30	US-5,489,910	02-06-96	Kuwata et al.	
FP	31	US-5,506,880	04-09-96	Scardino et al.	
FP	32	US-5,508,751	04-16-96	Nitta	

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FP	33	US-5,576,646	11-19-96	Rezzi et al.	
FP	34	US-5,581,274	12-03-96	Tagawa	
FP	35	US-5,589,847	12-31-96	Lewis	
FP	36	US-5,657,400	08-12-97	Granfors et al.	
FP	37	US-5,689,197	11-18-97	Sugawara	
FP	38	US-5,717,457	02-10-98	Morimoto	
FP	39	US-5,739,803	04-14-98	Neugebauer	
FP	40	US-5,801,571	09-01-98	Allen et al.	
FP	41	US-5,864,146	01-26-99	Karellas	
FP	42	US-5,872,470	02-16-99	Mallinson et al.	
FP	43	US-5,953,060	09-14-99	Dierickx	
FP	44	US-5,970,115	10-19-99	Colbeth et al.	
FP	45	US-6,084,461	07-04-00	Colbeth et al.	
FP	46	US-6,118,438	09-12-00	Ho	
FP	47	US-6,259,489 B1	07-10-01	Flannaghan et al.	

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Art Unit	2878
Examiner Name	Faye S. Polyzos
Attorney Docket Number	VM7034922001

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FP	48	US-6,310,567 B1	10-30-01	Copley et al.	
FP	49	US-6,331,844 B1	12-18-01	Okumura et al.	
FP	50	US-6,359,607 B1	03-19-02	Yanagi et al.	
FP	51	US-6,424,750 B1	07-23-02	Colbeth et al.	
FP	52	US-6,469,740 B1	10-22-02	Kuroda et al.	
FP	53	US-6,486,808 B1	11-26-02	Seppi et al.	
FP	54	US-6,535,254 B1	03-18-03	Olsson et al.	
FP	55	US-6,587,142 B1	07-01-03	Kozlowski et al.	
FP	56	US-6,653,992 B1	11-25-03	Colbeth et al.	
FP	57	US-6,718,069 B2	04-06-04	Mollov et al.	
FP	58	US-6,744,912 B2	06-01-04	Colbeth et al.	

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